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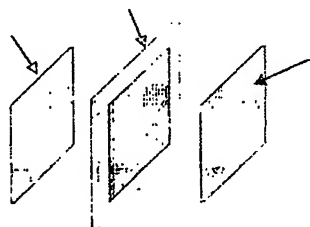
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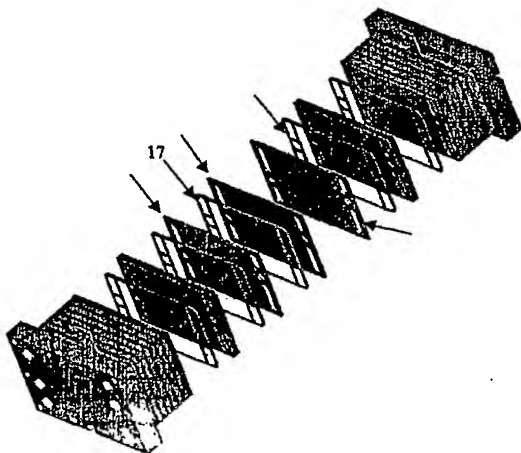
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(54) Title: INTEGRATED ELECTRICALLY CONDUCTIVE ELECTROCHEMICAL CELL COMPONENT



(57) Abstract: An electrically conductive electrochemical cell component is disclosed. The cell component includes a first coolant plate (21) and an adjacent plate, wherein the adjacent plate is a second coolant plate or a bipolar plate (5). The first coolant plate has at least one mating region, preferably a rib (25), for mating with a complementary region, preferably a groove (30), on the adjacent plate. The first coolant plate and the adjacent plate are each made of a polymer and conductive filler blend. The first coolant plate is joined to the adjacent plate by a seal (40) formed by the polymer at the mating region and the complementary region. The seal is created using vibrational or resistive welding processes.



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A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H01M8/02 H01M8/04

According to International Patent Classification (IPC) or to both national classification and IPC

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

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